

IN THE CLAIMS:

Please amend claim 1 as set forth in the complete claim listing below. Claims 2-5 are withdrawn. This listing of claims will replace all prior versions and listings of claims in the application:

We claim:

1. (Currently Amended) An apparatus for producing ozone by electrolysis of water, the apparatus ~~comprising~~ consisting of:

- a) an anode for producing oxygen, ozone by electrolysis in water;
- b) a cathode for producing hydrogen by electrolysis in water;
- c) a solid polymer electrolyte membrane disposed between the anode and the cathode for transferring hydrogen ion produced by the electrolysis; and
- d) an auxiliary electrode disposed between the cathode and the solid polymer electrolyte membrane, wherein the auxiliary electrode passes hydrogen ion produced at the anode through the cathode, and wherein a scale is formed on the surface of the auxiliary electrode by a reaction of $2+$ cation and OH^- ion produced at the cathode, thereby alleviating scale formation on the surface of the cathode, and wherein the auxiliary electrode has the form of a net having 10~100 meshes and a thickness of 0.1~2.0 mm.

2. (Withdrawn) An apparatus according to claim 1, wherein the auxiliary electrode has a mesh shape.

3. (Withdrawn) An apparatus according to claim 1, wherein the auxiliary electrode is formed of stainless steel, titanium, platinum or platinum coating.